

Unload

General Information

- The **online** Unload function is used to unload data from an FDIC in Migrate format. The scope of this function is determined by one or more extracts. It is not possible to specify individual objects.
- Using **commands** you can also write individual objects to the Coordinator FDIC in Migrate format.

Calling the Online Function

Call the function by entering code U in the Coordinator Main Menu.

09:22:34		***** P R E D I C T 4.2.2 *****		2002-07-31	
- Unload Extracts -					
Extract ID *		No.	Extract ID *		No.
1		6			
2		7			
3		8			
4		9			
5		10			
Unload options			Build set for unloading		
With code* N			Metadata N (Y/N)		
With profile N (Y/N)			Retrieval models N (Y/N)		
With internal ID Y (Y/N)			XRef data N (Y/N)		
Include Extracts N (Y/N)					
Target environment* 42					
Create Report listing ... Y (Y/N)					
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---					
- - Stop - - Flip Print - - - - -					

Parameters	
Extract ID	Up to ten extracts can be specified. You can enter an asterisk to select an extract from a list. The No. column displays the number of objects contained in the extract.
Unload options	These are described in detail below.
Build set for unloading	<p>The following types of data can be unloaded without using extracts. The column No. on the right indicates the number of metadata object types, retrieval models and XRef data members which will be unloaded.</p> <ul style="list-style-type: none"> ● Metadata <ul style="list-style-type: none"> ○ Y An additional screen appears in which you can specify the metadata to be unloaded. See Unloading Metadata. ● Retrieval models <ul style="list-style-type: none"> ○ Y An additional screen appears in which you can specify the retrieval models to be unloaded. See Unloading Retrieval Models. ● XRef data <ul style="list-style-type: none"> ○ Y An additional screen appears in which you can specify the XRef data to be unloaded. See Unloading XRef Data.

Unloading Objects

General Information

There are two methods of unloading Predict objects:

- Using **extracts**. Using the menu functions, you can only unload objects that are contained in an extract. Up to ten extracts can be specified for one unload operation. For more information see the section **Extract** in the **Predefined Object Types in Predict documentation**.
- Using **unload commands**. In the command line you can also specify individual objects or ranges of objects. The scope of the function can be limited by parameters. See Overview of Command Keywords.

Unload Options

With Code

Applies to the following Predict-owned external objects connected to Predict file objects:

- DDMs
- Copy code members
- Card formats such as ADAWAN, ADACMP.

If this parameter is set to Y, the connected external objects will be unloaded together with the file object only if the file has not been modified since generation.

If this parameter is set to M, the connected external objects will be unloaded even if the file object has been modified after generation.

With Profile

Applies to objects of type user: If this parameter is set to Y, Predict and LIST XREF profiles are unloaded, too.

With Internal ID

Determines whether objects are unloaded with or without Internal ID. See Internal ID.

If this parameter is set to Y, an object is unloaded **with** its internal ID. An object with the same internal ID is added in the target environment. The object remains coupled with the object in the source environment by means of this internal ID.

If this parameter is set to N, an object is unloaded **without** its internal ID. An object with a new internal ID is added in the target environment. The object is no longer coupled with the object in the source environment.

Include Extracts

If this parameter is set to Y, the extract(s) used for the Unload function will also be unloaded.

Target Environment

Data can be unloaded to the following environments:

- **41** Predict 4.2 Data is unloaded in Migrate 4.1 format.
- **42** Predict 4.2 Data is unloaded in Migrate 4.2 format.

Create Report Listing

If this parameter is set to Y (default), a report listing of type UNL is created on the Main FDIC.

Unloading Objects with Commands

With Unload commands you can unload objects of different types selectively. The command used depends on the object type.

- all object types
- object type *database, dataspace, file*
- object type *interface*
- object type *keyword, method, property, server, trigger, user-defined*
- object type *network, storagespace, virtual machine*
- object type *packagelist, program, system*
- object type *file relation*
- object type *user*
- object type *verification*

Specifying the Object Type

The following rules apply when an object type is required for a migrate command:

Specify the object type as two-character code or long name of a Predict object type (predefined or user-defined).

For example:

UNLOAD OBJECTTYPE PR or
UNLOAD OBJECTTYPE PROGRAM

will unload objects of type program.

Unloading All Object Types

Enter command

UNLOAD OBJECTTYPE ALL <parameters>

Unloads Predict objects of all object types to transfer medium.

Keyword	Field	Position
FROM-DATE	From date	1
KEY	With keyword	2
OWNER	With owner ID	3
CODE	With code/profile	4
INTERNAL-ID	With internal ID	5
TARGET	Target environment	6
CREATE-RT	Create Report Listing	7

Unloading Databases, Dataspaces, Files

Enter command

UNLOAD OBJECTTYPE <object type><parameters>

Keyword	Field	Position
ID	Object ID	1
TYPE	Object of type	2
FROM-DATE	From date	3
KEY	With keyword	4
OWNER	With owner ID	5
ALL	All option	6
CODE	With code	7
INTERNAL-ID	With internal ID	8
TARGET	Target environment	9
CREATE-RT	Create Report Listing	10

Unloading Keywords, Methods, Nodes, Properties, Servers, Triggers, User-Defined Object Types

Enter command

UNLOAD OBJECTTYPE <object type><parameters>

Keyword	Field	Position
ID	Object ID	1
FROM-DATE	From date	2
KEY	With keyword	3
OWNER	With owner ID	4
INTERNAL-ID	With internal ID	5
TARGET	Target environment	6
CREATE-RT	Create Report Listing	7

Unloading Interfaces, Library Structures

Enter command

UNLOAD OBJECTTYPE IE <object type><parameters>

Keyword	Field	Position
ID	Object ID	1
FROM-DATE	From date	2
KEY	With keyword	3
OWNER	With owner ID	4
ALL	All option	5
INTERNAL-ID	With internal ID	6
TARGET	Target environment	7
CREATE-RT	Create Report Listing	8

Unloading Networks, Storagespaces, Virtual Machines

Enter command

UNLOAD OBJECTTYPE <object type><parameters>

Keyword	Field	Position
ID	Object ID	1
FROM-DATE	From date	2
KEY	With keyword	3
OWNER	With owner ID	4
ALL	All option	5
CODE	With code	6
INTERNAL-ID	With internal ID	7
TARGET	Target environment	8
CREATE-RT	Create Report Listing	9

Unloading Packagelists, Programs, Systems

Enter command

UNLOAD OBJECTTYPE <object type><parameters>

Keyword	Field	Position
ID	Object ID	1
TYPE	Object of type	2
FROM-DATE	From date	3
KEY	With keyword	4
OWNER	With owner ID	5
ALL	All option	6
INTERNAL-ID	With internal ID	7
TARGET	Target environment	8
CREATE-RT	Create Report Listing	9

Unloading File Relations

Enter command

UNLOAD OBJECTTYPE RL <parameters>

Keyword	Field	Position
ID	File relation ID	1
TYPE	File relation of type	2
FROM-DATE	From date	3
KEY	With keyword	4
OWNER	With owner ID	5
INTERNAL-ID	With internal ID	6
TARGET	Target environment	7
CREATE-RT	Create Report Listing	8

Unloading Users

Enter command

UNLOAD OBJECTTYPE US <parameters>

Keyword	Field	Position
ID	User ID	1
FROM-DATE	From date	2
KEY	With keyword	3
OWNER	With owner ID	4
PROFILE	With profile	5
INTERNAL-ID	With internal ID	6
TARGET	Target environment	7
CREATE-RT	Create Report Listing	8

Unloading Verifications

Enter command

UNLOAD OBJECTTYPE VE <parameters>

Keyword	Field	Position
ID	Verification ID	1
STATUS	Verification of status	2
FROM-DATE	From date	3
KEY	With keyword	4
OWNER	With owner ID	5
CODE	With code	6
INTERNAL-ID	With internal ID	7
TARGET	Target environment	8
CREATE-RT	Create Report Listing	9

Unloading Metadata

Calling the Online Function

Enter function code U and data type M in the Coordinator main menu, or enter Y for parameter Metadata in the Unload Extracts screen. The following screen appears.

13:13:29	***** P R E D I C T 4.2.2 *****	2002-07-31
	- Build set for METADATA -	
Object type*		
Unload options		
From date 0000-00-00 00:00 (YYYY-MM-DD HH:II)		

Object type

Leave this field blank to unload metadata for all object types, or enter an object type code to unload metadata for a specific object type.

To specify metadata for several object types, the additional screen must be called up repeatedly.

From date

If you specify a date in this field, only metadata created on or after the date specified will be unloaded.

Command

UNLOAD METADATA <object type><parameters>

Object Type	Code	Keyword	Field	Position
any object type	any code	FROM-DATE	From date	1
ALL	blank	INTERNAL-ID	With internal ID	2
		TARGET	Target environment	3
		CREATE-RT	Create Report Listing	4

Unloading Retrieval Models

Calling the Function

Enter function code U and data type R in the Coordinator main menu, or enter Y for parameter Retrieval models in the Unload Extracts screen. The following screen appears:

13:06:56	***** P R E D I C T 4.2.2 *****	2002-07-31
- Build set for RETRIEVAL MODEL -		
Object type*		
Retrieval model		
Unload options		
From date 0000-00-00 00:00 (YYYY-MM-DD HH:II)		

Object type

Leave this field blank to unload retrieval models for all object types, or enter an object type code to unload retrieval models for a specific object type.

To specify retrieval models for several object types, the additional screen must be called up repeatedly.

Retrieval model

If an object type is specified, a retrieval model ID can be entered to limit the scope of the function. The ID can be either unique or with asterisk notation.

From date

If you specify a date in this field, only retrieval created on or after the date specified will be unloaded.

Unloading Retrieval Models in Batch Mode

To unload retrieval models of a **specific type** from the transfer medium, enter command:

UNLOAD RETRIEVALMODEL <object type><parameters>

where <object type> is any Predict object type (predefined or user-defined). See Specifying the Object Type

Keyword	Field	Position
ID	Retrieval model	1
FROM-DATE	From date	2
INTERNAL-ID	With internal ID	3
TARGET	Target environment	4
CREATE-RT	Create Report Listing	5

To unload retrieval models of **all object types** from the transfer medium, enter command:

UNLOAD RETRIEVALMODEL ALL<parameters>

Keyword	Field	Position
FROM-DATE	From date	1
INTERNAL-ID	With internal ID	2
TARGET	Target environment	3
CREATE-RT	Create Report Listing	4

Unloading XRef Data

Natural XRef data is normally loaded and unloaded with Natural utilities. If, however, you wish to unload XRef data from one FDIC file to another, the Unload function can be used.

Calling the Function

Enter function code U, data type O and object code XR in the Coordinator main menu, or enter Y for parameter XRef data in the Unload Extracts screen. The following screen appears.

13:27:32	***** P R E D I C T 4.2.2 *****	2002-07-31
- Build set for XREF -		
Member		
Library		
User system Fnr	(0-5000)	
User system DBnr	(0-65535)	
Unload options		
From catalog date	0000-00-00 00:00	(YYYY-MM-DD HH:II)

Member

External program on user system file.

Library

Library containing the external program.

User system Fnr

Number of user system file.

User system DBnr

Database containing the user system file.

From catalog date

If you specify a date in this field, only XRef data created on or after the date specified will be unloaded.

Unloading XRef Data in Batch Mode

To unload XRef data from the transfer medium, enter command

UNLOAD OBJECTTYPE XR <parameters>

Keyword	Field	Position
MEM	Member	1
LIB	Library	2
FNR	User system Fnr	3
DBNR	User system DBnr	4
FROM-DATE	From catalog date	5
TARGET	Target environment	6
CREATE-RT	Create Report Listing	7

Unloading Extracts in Batch Mode

The workfile can be defined with Command SET. The default workfile is workfile 1.

See the sample unload command.

Command: UNLOAD EXTRACT <parameters>

This command unloads up to 10 extracts in migrate format. At least one extract must be specified; all parameters are optional.

Keyword	Field	Position
EXTRACT1	No. 1 Extract ID	1
EXTRACT2	No. 2 Extract ID	2
EXTRACT3	No. 3 Extract ID	3
EXTRACT4	No. 4 Extract ID	4
EXTRACT5	No. 5 Extract ID	5
EXTRACT6	No. 6 Extract ID	6
EXTRACT7	No. 7 Extract ID	7
EXTRACT8	No. 8 Extract ID	8
EXTRACT9	No. 9 Extract ID	9
EXTRACT10	No. 10 Extract ID	10
CODE	With code	11
PROFILE	With profile	12
WITH-ET	Include Extracts	13
INTERNAL-ID	With internal ID	14
TARGET	Target environment	15
CREATE-RT	Create Report Listing	16

Sample Unload Command

Enter the following command to unload

- all metadata created since January 1, 1997
- retrieval model AL for object types program and system
- XRef data for file number 99 on database 123
- objects contained in Extracts EXT-1 and EXT-2, together with
 - any Predict-owned external objects connected to Files contained in the Extracts
 - the Predict and LIST XREF profiles of any Users contained in the Extracts

```
UNLOAD METADATA ALL, FROM-DATE=1997-01-01_00:00
UNLOAD RETRIEVALMODEL PR, ID=AL
UNLOAD RETRIEVALMODEL SY, ID=AL
UNLOAD OBJECTTYPE XR, FNR=99, DBNR=123
UNLOAD EXTRACT EXTRACT1=EXT-1, EXTRACT2=EXT-2, CODE=Y, PROFILE=Y
```

See also section Data Transfer Examples in this documentation.

Unloading Internal IDs

If you are working with more than one FDIC file, it is strongly recommended that you consolidate the Internal IDs of the objects at your site. After you have unloaded the objects you wish to consolidate, execute the function Load Internal ID as described on Importing Internal IDs.

You can **unload** the Internal IDs of all objects or any subset of objects. However, it is not possible to **load** selectively. All objects on the transfer medium are loaded with their internal IDs.

See also Consolidating Internal IDs in Batch Mode.

Calling the Online Function

Enter code U and object type I in the Coordinator main menu.

Only parameters Extract ID, Include Extracts and Target environment are applicable.

Unloading Internal IDs in Batch Mode

Internal IDs can be unloaded with the command UNLINTERNAL in library SYSDICBE. See Sample Batch Command.